



Key Features

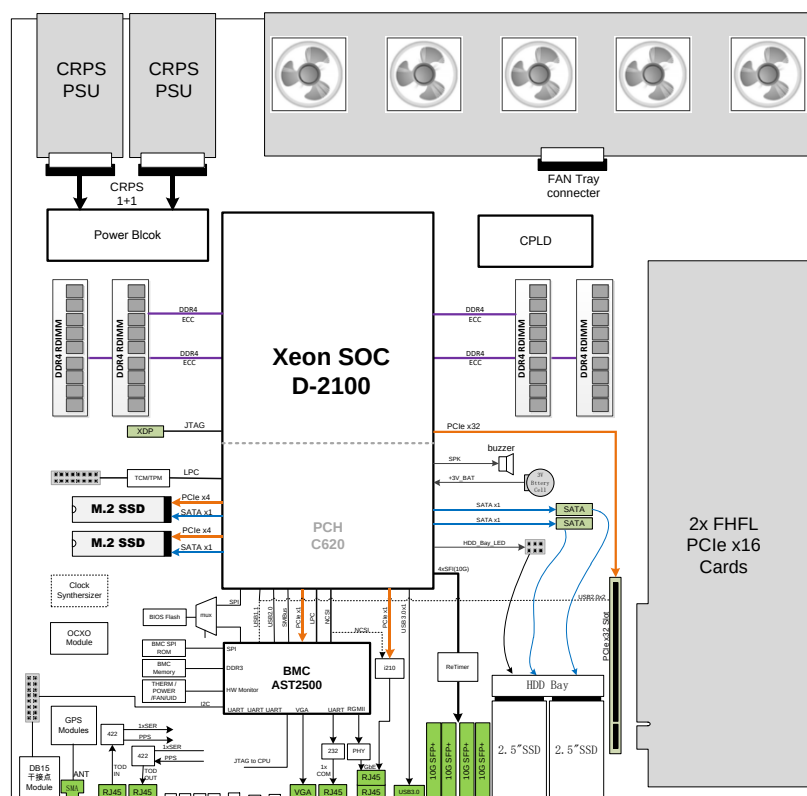
- 420mm depth 1U 19" rackmount form factor for communications infrastructure deployment
- Intel Xeon-D D2100 Series Processor, up to 110W TDP
- 4x DDR4 2666MT/s ECC registered memory up to 256GB
- Flexible expansion
 - 2x FHFL PCIE x16 cards
 - 2x 2.5" SATA HDD at front panel
 - 2x onboard M.2 socket
 - TPM 2.0 module
- Advanced chassis management
- GPS/1588 v2/cascading (through TOD ports) time sync modes support
- OTII 1U server technical standard compliant
- a mechanism to pull the power cord of PSU from front panel support
- Design for MEC edge, 5G BBU application

Specifications

Core System	SIZE	1U chassis (438mm x 420mm x 43.5mm)
	Processor	Intel Xeon-D D2100 Series Processor, up to 110W TDP
	Memory	4x DDR4 DIMM sockets, ECC, 2666MT/s, registered, up to 256GB
	BMC	AST2500, Compliant with IPMI2.0 specification, Redfish support
	OS Support	CentOS 64-bit 7.6 Windows server 64-bit 2016
I/O	Display	1x VGA
	USB	1x USB3.0
	Serial Port	1x RS232 (RJ45)
	Ethernet Port	4x 10G SFP+ ports (1588 v2 support) 2x 1G LAN ports (one port dedicated for management)
	Timing	1x GPS (SMA) 1x TOD input (RJ45) 1x TOD output (RJ45)
	Button	1x Power button (with LED) 1x UID button (with LED)
	LED	1x Health LED 1x PSU LED 1x FAN LED
	Dry contact port(optional)	6x inputs 2x OC type outputs
Power and Cooling	Power	550W 1+1 redundant CRPS PSU, AC220V /DC48V input support
	Cooling	2x Hot Swappable Redundant Fan Modules

Expansion	2x FHFL PCIE x16 cards support	
Storage	2x onboard 2280 M.2 socket (SATA/NVMe support)	
	2x 2.5" SATA HDD at front panel	
Security	TPM2.0 module support (optional)	
Time sync	GPS/1588 v2/cascading (through TOD ports) modes support no more than +/- 1.5us time error for 24 hours holdover capability support	
Operating Environment	Temperature	Operating Temperature: -5°C to 55°C Non-operating Temperature: -40°C to 85°C
	Humidity	Operating Relative Humidity: 5% to 95%
Shock Vibration	GBT 4798.3-2007 / IEC 60721-3-3 (3M2) compliant	
Chemically active substances/Corrosive gases	GBT 4798.3-2007 / IEC 60721-3-3 (3C1) compliant	
Mechanical active substances/ Level of air cleanliness	GBT 4798.3-2007 / IEC 60721-3-3 (3S2) compliant	
Safety	GB4943-2011 compliant	
EMC	EN55024, EN55032, FCC part15 Class B compliant	

Functional Diagram



Order Information

Product Code	Description
B1104-2177NT-S6	BBU, 1U, D-2177NT, 64G DDR4, 512G SSD, 4 SFP+ port, AC PSU, w/o OCXO, w/ Dapu clock module, w/o expansion card
B1104-2177NT-S3	BBU, 1U, D-2177NT, 64G DDR4, 512G SSD, 4 SFP+ port, AC PSU class B, w/o OCXO, w/o Dapu clock module, w/o expansion card